

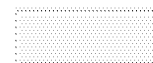


thread and (halt or suspen) and resum and resource and critical and event



Scholar

About 4,320 results (0.18 sec)



Articles

Did you mean: thread and (halt or **suspend**) and **resume** and resource and critical and event

Legal documents

Coherency techniques for suspending execution of a **thread** until a specified memory accessOCCURS

DL Hill, DT Marr, D Rodgers, S Kaushik... - US Patent ..., 2006 - Google Patents

Any time

... 1 505 RECEIVE MEMORY WAIT OPCODE IN **THREAD** 1 (UNMASK MONITOR BREAK **EVENTS**)

Since 2012

SUSPEND FURTHER T1 ... WRITE TO MONITOR ADDRESS SET MONITOR **EVENT** PENDING

Since 2011

INDICATOR rJ20 **HALT** MONITOR 730 ... CONTINUE **THREAD** EXECUTION r\$2 FIG. ...

Since 2008

Cited by 21 Related articles All 4 versions Import into BibTeX

Custom range...

An Esterel compiler for large control-dominated systems

[PDF] from 128.59.11.212

SA Edwards - Computer-Aided Design of Integrated Circuits ..., 2002 - leeeexplore.ieee.org

Sort by relevance

... Later, Zhu and Lin [12] proposed an algorithm that avoids the exponential increase in code size by allowing each process to **suspend** and **resume** at interprocess communication points (ie ... An exit node sends control directly to the parallel for its **thread**; a **halt** sends control back ...

Sort by date

☒ include patents

Cited by 71 Related articles BL Direct All 14 versions Import into BibTeX

☒ include citationsInstruction sequences for suspending execution of a **thread** until a specified memory accessOCCURS

S Kaushik, JB Crossland, DT Marr... - US Patent App. 10/ ..., 2001 - Google Patents

... CYCLE TYPE AND ADDRESSES AFFECTED WRITE TO MONITOR ADDRESS SET MONITOR **EVENT** PENDING INDICATOR T **HALT** MONITOR ,720 ... 350, one imple- mentation of a monitor 310, and one specific implementa- tion of **thread suspend** and **resume** logic 377 ...

Cited by 9 Related articles All 2 versions Import into BibTeX

Create alert

Method and apparatus for suspending execution of a **thread** until a specified memory accessOCCURS

D Rodgers, DT Marr, DL Hill, S Kaushik... - US Patent ..., 2006 - Google Patents

... MEMORY WAIT OPCODE IN **THREAD** 1 (UNMASK MONITOR BREAK **EVENTS**) **SUSPEND** FURTHER T1 ... TO MONITOR ADDRESS SET MONITOR **EVENT** PENDING INDICATOR **HALT** MONITOR 720 ... 1 1905 MWAIT BREAK **EVENT** 915 CONTINUE **THREAD** EXECUTION FIG ...

Cited by 4 Related articles All 4 versions Import into BibTeX

Emulation **suspension** mode with frame controlled **resource** access

GL Swoboda, DR Matt - US Patent 6,557,116, 2003 - Google Patents

... in response to a debug **event** and to leave the debug **suspend** state to **resume** 55 execution ... of the sequence of instructions ceases while the pro- cesssor is in the debug **suspend** state ... The emulation circuitry is operable to access the system **resources** in response to an 60 access ...

Cited by 10 Related articles All 2 versions Import into BibTeX

Method and apparatus for suspending execution of a **thread** until a specified memory accessOCCURS

D Rodgers, DT Marr, DL Hill, S Kaushik... - US Patent App. 11/ ..., 2007 - Google Patents

... rv EXAMINECYCLTYPEAND ADDRESSES AFFECTED WRITE TO MONITOR ADDRESS SET

MONITOR **EVENT** PENDING INDICATOR **HALT** MONITOR 720 ... one implementation of a monitor 310, and one specific implementation of **thread suspend** and **resume** logic 377 ...

Cited by 1 Related articles All 2 versions Import into BibTeX

Event-based debugging of object/action programs

CC Lin, RJ LeBlanc - ACM SIGPLAN Notices, 1988 - dl.acm.org

... Therefore, an object at any point in time may have several **threads** of control executing inside it ... The user may **suspend** or **resume** computation at a specified **event** ... Second, by using world view information the user can **halt** a computation globally with respect to a local **event**, SW h ...

Cited by 28 Related articles All 2 versions Import into BibTeX

Queued locks using monitor-memory wait

P Hammarlund, JB Crossland, A Aggarwal ... - US Patent ..., 2008 - Google Patents

... 505 ^00 RECEIVE MEMORY WAIT OPCODE IN **THREAD** 1 (UNMASK MONITOR BREAK **EVENTS**) **SUSPEND** FURTHER T1 ... 6) **RESUME/CONTINUE THREAD** 1 510 ... READ WRITE TO MONITOR ADDRESS SET MONITOR **EVENT** PENDING INDICATOR **HALT** MONITOR 730 ...

Cited by 4 Related articles All 4 versions Import into BibTeX

Queued locks using monitor-memory wait

P Hammarlund, JB Crossland, A Aggarwal ... - US Patent ..., 2007 - Google Patents

... IN **THREAD** 1 (UNMASK MONITOR BREAK **EVENTS**) 515 **SUSPEND** FURTHER T1 ... FLUSH PIPELINE p RE-PARTITION **RESOURCES** ^560 **RESUME/CONTINUE THREAD** 1 ^565 ... TO MONITOR ADDRESS SET MONITOR **EVENT** PENDING INDICATOR **HALT** MONITOR 720 ...

Cited by 6 Related articles All 4 versions Import into BibTeX

Behavioral modular description of fault tolerant distributed systems with AADL Behavioral Annex

[PDF] from telecom-paristech.fr

G Lasnier, T Robert, L Pautet ... - New Technologies of ..., 2010 - ieeeexplore.ieee.org

... Complete state represents a **suspend/re-**sume state out of which **threads** and devices ... state before initialization actions; one or more complete state representing **halt/resume** state; zero or ... execution state and one final state representing finalization completed by **thread** or device ...

Related articles All 2 versions Import into BibTeX

INTEGRATED MECHANISM FOR **SUSPENSION** AND DEALLOCATION OF COMPUTATIONAL **THREADS** OF EXECUTION IN A PROCESSOR

K Kissel - EP Patent 1,660,993, 2008 - freepatentsonline.com

... operand is a second predetermined value, said yield instruction instructs the microprocessor core to unconditionally **resume** issuing instructions ... in the qualifier mask of GPR rs is set (step 3208), the **thread** is **suspended** until at ... This is independent of any per-**thread halted** state. ...

Related articles Cached Import into BibTeX

Debugger **thread** synchronization control points

CL Bates, JM Ryan - US Patent 6,378,124, 2002 - Google Patents

... Mutexes allow the computer program to continue execut- ing in so far as not all **threads** may be **suspended**. Break points are intended to **halt** execution completely, although break points may be conditionally triggered such as with a variable. ...

Cited by 47 Related articles All 2 versions Import into BibTeX

Queued locks using monitor-memory wait

P Hammarlund, JB Crossland, A Aggarwal ... - US Patent ..., 2009 - Google Patents

... WAIT OPCODE IN **THREAD** 1 (UNMASK MONITOR BREAK **EVENTS**) **SUSPEND** FURTHER T1 ... 6) 555 RE-PARTITION 1560 **RESOURCES RESUME/CONTINUE THREAD** 1 1k365 510 ... MONITOR ADDRESS SET MONITOR **EVENT** PENDING INDICATOR **HALT** MONITOR 730 ...

Related articles All 4 versions Import into BibTeX

Method to segregate suspicious **threads** in a hosted environment to prevent CPU **resource** exhaustion from hung **threads**

N Chesaz - US Patent 7,530,072, 2009 - Google Patents

... 26 28- 30- 32- EXECUTE DETERMINED NUMBER OF INSTRUCTIONS **SUSPEND** EXECUTION OF ... **threads** entering the **thread** quarantine manager 64 are immediately **halted** and their ... which illustrates a process via which suspicious **threads** in the **thread** quarantine manager ...

Cited by 3 Related articles All 2 versions Import into BibTeX

Systems and methods for CPU throttling utilizing processes

M Monasterio - US Patent 7,784,054, 2010 - Google Patents

... FIXED TIME 908—^ | **SUSPEND** OBJECT FOR VARIABLE TIME 910—^ | **RESUME** OBJECT -920 ... 1010 1012 NO CEASE MONITORING OF PROCESS/OBJECT END 1000 VARY **SUSPENSION** TIME OF ... If a **thread** in process2 then requests resourceX, a **thread** deadlock con- 35 ...

Related articles All 5 versions Import into BibTeX

Architectural and behavioral modeling with aadl for fault tolerant embedded systems

[PDF] from telecom-paristech.fr

G Lasnier, T Robert, L Pautet... - ... /Service-Oriented Real- ..., 2010 - ieeexplore.ieee.org

... Complete state represents a **suspend/re-**sume state out of which **threads** and devices ... 2) **Thread** and Device Behavior Specifications: The behav- ior automaton of **thread** or device ... state before initialization actions; one or more complete state representing **halt/resume** state; zero ...

Cited by 1 Related articles All 6 versions Import into BibTeX

Emulation **suspension** mode handling multiple stops and starts

QL Swoboda, DR Matt - US Patent 6,564,339, 2006 - Google Patents

... register of the processor to cause processor **resources** to be ... 6,564,339 BI FOREGROUND FOREGROUND OR INTERRUPT BACKGROUND **SUSPENDED** AFTER EXECUTING ... INSTRUCTION CAN OBSERVE CPU CAN SERVICE TIME-CRITICAL INTERRUPTS (INCLUDING ...

Cited by 18 Related articles All 2 versions Import into BibTeX

The design of DARTS: A dynamic debugger for multiprocessor real-time applications

FJA Giesen, M Timmerman - Real Time Systems, 1991... - ieeexplore.ieee.org

... Write) - Task control commands control the state of the target system (Start, Stop, **Resume**, **Suspend**) - Management commands ... Eg The breakpoint mechanism must not **halt** the target ... single **threads** of program execution in a node memory areas for dynamic allocation of variable ...

Cited by 4 Related articles All 3 versions Import into BibTeX

Emulation **suspension** mode with stop mode extension

QL Swoboda, DR Matt - US Patent 6,567,993, 2006 - Google Patents

... While running or **suspended**, the emulation circuitry can jam an instruction into the instruction register of the processor to cause processor **resources** to be read or ... ONE INSTRUCTION 310b- DEBUGGER ■ COMMAND DEBUGGER COMMAND, DEBUG-HALT STATE CAN ...

Cited by 15 Related articles All 2 versions Import into BibTeX

MIPS MT: A multithreaded RISC architecture for embedded real-time processing

KD Kissell - Proceedings of the 3rd international conference on ..., 2008 - dl.acm.org

... The ability to **suspend** execution based on a particular yield qualifier can be controlled by the operating system, using a ... Move From **Thread** Register) and MTTR (Move To **Thread** Register) in- structions, which allow a privileged **thread** running on one TC to **halt** another TC ...

Cited by 17 Related articles BL Direct All 3 versions Import into BibTeX

Improving the energy efficiency of the MANTIS kernel

[PDF] from lances.ac.uk

C Duffy, JJ Roedig, J Herbert, C Greenan - Wireless Sensor Networks, 2007 - Springer

... often implemented as an infinite loop, is started (line 3). Processing might be **halted** using the ... line 3) and its register values are restored by the POP_THREAD_STACK function (line 5). The **thread** can then **resume** processing at the exact point it was previously **suspended** ...

Cited by 8 Related articles BL Direct All 15 versions Import into BibTeX

Method and system to provide user-level multithreading

ET Grochowski, H Wang, JP Shen... - US Patent App. 10/ ..., 2004 - Google Patents

... method according to the present tech- niques comprises receiving programming instructions to execute one or more shared **resource threads** (shreds) via ... shared registers 720 Execute shred 721 Write shred execution results to shared registers 722 700 Execute **halt** shred 723 r ...

Cited by 9 Related articles All 2 versions Import into BibTeX

[BOOK] Concurrency in C++

[PDF] from googlecode.com

PA Buhr, GJ Ditchfield... - 1988 - googlecode.com

... monitors : high-level **thread** control • tasks : active objects • other concurrent approaches : different concurrency paradigms Page 10. 4 CHAPTER 1. INTRODUCTION Page 11. 2 Coroutine • A coroutine is a routine that can also be **suspended** at some point and **resume** from that ...

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Opportunistic Multitasking

M Van Milligan, TB Duffy, E Albert... - US Patent App. 12/ ..., 2010 - Google Patents

... APP → BG 315 SECOND APP → 320 CV PAUS RE COMMAND FOR AUDIO APP |||| 325 AUDIO APP → **SUSPENDED** 330 **RESUME** COMMAND ... As used herein, the "**suspended state**" is a condition in which a process is not pennitted to schedule **threads** for execution ...

All 2 versions Import into BibTeX

Opportunistic Multitasking

GR Chapman, R Schreyer, TB Duffy - US Patent App. 12/869,553, 2010 - Google Patents

... APP → BG 315 SECOND APP → 320 CV PAUS RE COMMAND FOR AUDIO APP |||| 325 AUDIO APP → **SUSPENDED** 330 **RESUME** COMMAND ... As used herein, the "**suspended state**" is a condition in which a process is not pennitted to schedule **threads** for execution ...

All 2 versions Import into BibTeX

Opportunistic Multitasking

L Ballard, DW Goodwin, J Sokol Jr... - US Patent App. 12/ ..., 2010 - Google Patents

... APP → BG 315 SECOND APP → 320 RCV PAUSE COMMAND FOR AUDIO APP |||| 325 AUDIO APP → **SUSPENDED** 330 **RESUME** COMMAND ... As used herein, the "**suspended state**" is a condition in which a process is not pennitted to schedule **threads** for execution ...

All 2 versions Import into BibTeX

Computer system having suspend once resume many sessions

DT Crump, ST Pancoast - US Patent 5,715,464, 1998 - Google Patents

Cited by 60 Related articles All 2 versions Import into BibTeX

The design of DARTS: A dynamic debugger for multiprocessor real-time applications

M Timmerman, FJA Gelen - Nuclear Science, IEEE ..., 1992 - ieeeexplore.ieee.org

... Write) - Task control commands control the state of the target system (Start, Stop, **Resume**, **Suspend**) - Management commands ... Eg The breakpoint mechanism must not **halt** the target ... single **threads** of program execution in a node memory areas for dynamic allocation of variable ...

Cited by 4 Related articles All 5 versions Import into BibTeX

Opportunistic Multitasking

C Rother, G Novick, HG Mason... - US Patent App. 12/ ..., 2010 - Google Patents

... APP → BG 315 SECOND APP → 320 RCV PAUSE COMMAND FOR AUDIO APP g,|| 325 AUDIO APP → **SUSPENDED** 330 **RESUME** COMMAND ... As used herein, the "**suspended state**" is a condition in which a process is not pennitted to schedule **threads** for execution ...

All 2 versions Import into BibTeX

Implementation and evaluation of real-time java threads

[PS] from keio.ac.jp

A Miyoshi, T Kitayama, H Tokuda - Real-Time Systems ..., 1997 - ieeeexplore.ieee.org

... Java **thread** has a method called sleep(t) where a running **thread** will **suspend** at least ... acquires the lock asso- ciated with the specified object and ensure that no other **thread** is executing ... in many

UNIX sys-tems, the action of moving one window can dom-inate or **halt** all other ...

Cited by 29 Related articles All 7 versions Import into BibTeX

A power management system for providing **suspend/resume** capability in a computer system

DT Crump, ST Pancoast - EP Patent 0,701,192, 2000 - freepatentsonline.com

... routines are discussed in the text below and include the **Suspend** Routine, the **Resume** Routine, the ... driver issues the **Suspend** Command, the APM BIOS Routing Routine calls the **Suspend** Routine. ... In the standby state 152 the BIOS issues a **HALT** instruction in response to the ...

Cited by 1 Related articles Cached Import into BibTeX

Programming mpsoc platforms: Road works ahead!

[PDF] from utwente.nl

R Leupers, A Vajda, M Bekooij, S Ha ... - ..., Automation & Test ... 2009 - ieeexplore.ieee.org

... the key issue is to partition the problem into parallel, individually sequential, de-coupled **threads** of execution ... system behaviour, as the system can **resume** the operation without recognizing that it has been **halted**. ... The system execution will **suspend** when the signal is asserted. ...

Cited by 2 Related articles All 12 versions Import into BibTeX

Opportunistic Multitasking

GJ Freedman, J Iarocci, D Litzinger. ... - US Patent App. 12/ ... 2010 - Google Patents

... BG 315 SECOND APP → 320 RCV PAUSE COMMAND FOR AUDIO APP g|| 325 AUDIO APP → **SUSPENDED** 330 **RESUME** COMMAND? ... As used herein, the "**suspended** state" is a condition in which a process is not pennitted to schedule **threads** for execution, but ...

All 2 versions Import into BibTeX

[book] Real-Time Java Programming: With Java RTS

EJ Bruno, G Bollella - 2008 - books.google.com

... Use Real-Time **Threads** Tuning the Real-Time Garbage Collector **Critical** Reserved Memory ... Rules Scoped Memory Physical Memory Chapter 6 Synchronization **Resource** Sharing Priority Inversion Control Priority Inheritance in Action Wait-Free **Thread** Communication Using ...

Cited by 26 Related articles Library Search All 4 versions Import into BibTeX

[book] Concurrent and real-time programming in Java

[PDF] from sk-world.info

AJ Wellings - 2004 - books.google.com

... to another; • high performance – techniques such as just-in-time compilation allow perfor- mance-**critical** code to ... These are usually expressed in terms of **resources** allocated to a **thread**. In Java, for example, the lock associated with an object can be considered as a **resource**. ...

Cited by 139 Related articles Library Search All 5 versions Import into BibTeX

A programming model and system infrastructure for real-time synchronization in distributed multimedia systems

GS Blair, G Coulson, M Papathomas ... - Selected Areas in ... 1996 - ieeexplore.ieee.org

... multimedia applications require more rigid guarantees, for example in safety **critical** areas such as ... quality of service) and guaranteed (where the system pre-allocates **resources** to ensure ... and can exhibit an arbitrary level of internal concurrency (using **threads** plus semaphores ...

Cited by 20 Related articles BL Direct All 3 versions Import into BibTeX

The reactive programming approach on top of Java/J2ME

JF Susini - Proceedings of the 4th international workshop on Java ... 2006 - dl.acm.org

... a way to up- date the state of merge nodes when new **events** are gener- ated and make **suspended** instructions active ... **halt** stops a program forever. ... Those loops cannot terminate dur- ing the execution of one instant hogging the execution **thread** for ever and so making the ...

Cited by 3 Related articles All 2 versions Import into BibTeX

[PDF] A multithreading platform for multimedia applications

[PDF] from uni-kl.de

R Koster, T Kramp - Proceedings of Multimedia ... 2001 - www.gis.informatik.uni-kl.de

... With a plain user-level **thread** package these operations would **halt** the entire application. ... To

suspend and **resume** **u-threads**, the **thread** package uses `setjmp` and `longjmp`. ... Moreover, if one **k-thread** is preempted another one of the application needs to be interrupted to do an ...

Cited by 4 Related articles View as HTML BL Direct All 10 versions Import into BibTeX

[PDF] JN external API

SR Montague - 1997 - soe.ucsc.edu

[PDF] from ucsc.edu

... perror - Print an error and **halt**. ... A **thread** is **suspended** by calling `sysThreadSuspend()`. ... When each waiting **thread** moves to the head of the external wait queue, its execution resumes at the point inside the **critical** section where it waited for the needed **resource** or **event**. ...

Cited by 4 Related articles View as HTML All 6 versions Import into BibTeX

Method and apparatus for processing an **event** occurrence within a multithreaded processor

D Rodgers, D Boggs, A Merchant, R Kota... - US Patent ..., 2002 - Google Patents

... Responsive to the detection of this first **event** occurrence, a second **thread** being processed within ... Multithreading Comes of Age", Peter Song, Microdesign **Resources**, Jul. ... Multithreading for Rookies", Ruediger R. Asche, [http:// www.microsoft.com/win32dev/base/threads.htm](http://www.microsoft.com/win32dev/base/threads.htm), Jul. ...

Cited by 67 Related articles All 2 versions Import into BibTeX

System, method, and computer program product for conditionally suspending issuing instructions of a **thread**

KD Kissell - US Patent 7,676,660, 2010 - Google Patents

... The yield instruction instructs the microprocessor core to **suspend** issuing for execution instructions of a ... occurring **events** occurred to cause the microprocessor core to **resume** issuing the ... **Threads: Resource** Sharing in SMT Processors for High Single-**Thread** Performance ...

Cited by 5 Related articles All 4 versions Import into BibTeX

[PDF] Compiler-assisted concurrency abstraction for **resource**-constrained embedded devices

[PDF] from vanderbilt.edu

J.Sallai - 2003 - etd.library.vanderbilt.edu

... memory usage overhead which may become prohibitive in **resource**-constrained systems. ... resumed, blocking calls are supported: when a long-running operation is invoked, the **thread** is **suspended** until the operation completes and the results are available. **Threads** offer a ...

Cited by 1 Related articles View as HTML Library Search All 6 versions Import into BibTeX

Lightweight asynchrony using parasitic **threads**

[PDF] from purdue.edu

K.C.Sivaramakrishnan, L. Ziarek, R.Prasad... - Proceedings of the 5th ..., 2010 - dl.acm.org

... Part 2 of the figure shows that **thread** T1 which hosts S1 continues execution by switching to a **suspended** (runnable) parasite Sm. ... Once this occurs, the parasitic **thread** can **resume** its execution. ... Rule (**Halt Thread**) defines **thread** termination via a transition to a **halt** state. ...

Cited by 5 Related articles All 4 versions Import into BibTeX

Power management processor for computer systems having **suspend/resume** capability

DT Crump, ST Pancoast, IV Benson... - EP Patent ..., 2001 - freepatentsonline.com

... routines are discussed in the text below and include the **Suspend** Routine, the **Resume** Routine, the ... driver issues the **Suspend** Command, the APM BIOS Routing Routine calls the **Suspend** Routine. ... In the standby state 152 the BIOS issues a **HALT** instruction in response to the ...

Cited by 10 Related articles Cached Import into BibTeX

Method and apparatus for processing an **event** occurrence for a least one **thread** within a multithreaded processor

D Rodgers, D Boggs, A Merchant, R Kota... - US Patent ..., 2006 - Google Patents

... Responsive to the detection of the **event** handling point for the second **thread**, at least a first **event** handler is invoked to handle at least the first pending **event**. ... 1995. Peter Song; "Multithreading Comes of Age"; Microdesign **Resources**, Jul. 14, 1997; pp. 13-18. ...

Cited by 13 Related articles All 4 versions Import into BibTeX

A transparent checkpoint facility on NT

[PDF] from usenix.net

J Srouji, P Schuster, M Bach, Y Kuzmin - ... of the 2nd USENIX Windows NT ..., 1996 - [usenix.org](#)

... in the development of a facility for process migration, whereby processes can be **halted** on one ...

event object and all the **threads** simultaneously **resume** from where they were **suspended** by

the ... Finally, the checkpoint **thread** puts itself to sleep, and waits for further Dump APC calls ...

Cited by 31 Related articles All 13 versions Import into BibTeX

[PDF] A Hybrid Approach to Real-Time Synchronisation in Distributed Multimedia Systems

[PDF] from [psu.edu](#)

GS Blais, G Coulson, M Papathomas, P Robin... - ... Research Group Report ..., 1994 - Citeseer

... and can exhibit an arbitrary level of internal concurrency (using **threads** plus semaphores ...

Otherwise, if commitment is best effort, **resources** are not permanently dedicated and may be ...

The user can temporarily **suspend/resume** the diaporama phase with a toggle key with values ...

Cited by 3 Related articles View as HTML All 2 versions Import into BibTeX

High-level language debugging for concurrent programs

GS Goldsmidt, S Yemini, S Katz - ACM Transactions on Computer ..., 1990 - [dl.acm.org](#)

... with a single sequential **thread** of control, there are multiple interacting **threads**, each with ... Thus,

by refusing to accept messages from a process, the monitor can **suspend** that process's ... Note

that reaching a breakpoint does not implement an instantaneous **halt** of the distributed ...

Cited by 39 Related articles All 4 versions Import into BibTeX

[PDF] Implementation and Evaluation of Mixed-Criticality Scheduling Approaches for Periodic Tasks

[PDF] from [wustl.edu](#)

HM Huang, C Gill, C Lu - ... Washington University in St. Louis, MO, ..., 2011 - [cse.wustl.edu](#)

... the schedulability of higher- criticality tasks: (1) since it is difficult to simply **halt threads** safely

atop ... aware of their deadlines' expirations and can cooperatively release **resources** and **halt**

execution, that ... at the same time, all lower-criticality tasks have to be **suspended** and can be ...

Related articles View as HTML All 3 versions Import into BibTeX

Method and apparatus for entering and exiting multiple **threads** within a multithreaded processor

D Rodgers, D Boggs, A Merchant, R Kota... - US Patent ..., 2005 - Google Patents

... STATE MACHINE TO PROVIDE EXCLUSIVE ACCESS, IN TURN, TO EACH OF THE 1ST AND

2ND HANDLERS **RESUME** NORMAL SEQUENCING AND ISSUE FOR BOTH **THREADS** ...

"Multithreading Comes of Age", Peter Song, Microdesign **Resources**, Jul. ...

Cited by 69 Related articles All 2 versions Import into BibTeX

[PDF] Exploring Coordination of **Threads** in Multi-Core Libraries

[PDF] from [upenn.edu](#)

M Matijiw, MAM Martin - [seas.upenn.edu](#)

... rely heavily on this aspect of the scheduler, as work belonging to **threads** that we **suspend** is

automatically picked up and completed by other non-**suspended threads**. ... This checkpoint is only

entered if it was decided that the running **thread** should **halt**, and contains the ...

Related articles View as HTML All 2 versions Import into BibTeX

Operating systems

G Maigne, G Maslov - EP Patent 2,296,089, 2011 - [freepatentsonline.com](#)

... In this embodiment, all the operating systems are rewritten to remove "**halt**" instructions and

replace them with an "idle" routine (eg an execution **thread**) which, when ... At the time of initially

booting up, the hardware **resource** dispatcher saves a copy of the secondary operating ...

Cached Import into BibTeX

Fast synchronization for programs written in the java programming language

N Shaylor - EP Patent 0,955,584, 2010 - [freepatentsonline.com](#)

... A **thread** may **halt** or block itself, yield control to other **threads**, or be blocked by virtue of ... by the

operating system at the beginning of the sequence, rather than at the point of **suspension**. ... with

the second embodiment, the OID is not placed on stack 701 until **thread** 1 unblocks at ...

Cited by 5 Related articles Cached Import into BibTeX

[PDF] Real-Time Scheduling in SCOOP

[PDF] from [ethz.ch](#)

A Compeer - 2007 - se.inf.ethz.ch

... **Threads** can also be **suspended** and resumed at any time. The special treatment of an applications root **thread** has been eliminated. ... This approach may be useful for highly optimized safety-**critical** applications where immediate mutual exclusive access on **resources** must be ...

Related articles View as HTML All 3 versions Import into BibTeX

Emulation **suspend** mode with differing response to differing classes of interrupts

GL Swoboda, DR Matt - US Patent 6,553,513, 2009 - Google Patents

... instruction register of the processor to cause processor **resources** to be ... 6,553,513 BI FOREGROUND FOREGROUND OR INTERRUPT BACKGROUND **SUSPENDED** 300a /y ... INSTRUCTION 310b- DEBUGGER DEBUGGER \COMMAND COMMANDj DEBUG-**HALT** STATE ...

Cited by 26 Related articles All 2 versions Import into BibTeX

Operating systems

[PDF] from psu.edu

PJ Denning, WE Tichy, ED Lazowska, J Liedtke - 2003 - dl.acm.org

... A parent may **suspend**, **resume**, or kill any of its children but no others. These operations apply to all descendants of the affected child process-- **suspend** and **resume** apply to all **threads** of a process; kill applies to the process and all its children. ...

Cited by 12 Related articles All 14 versions Import into BibTeX

System and method for activity or **event** based dynamic energy conserving server reconfiguration

HT Fung - US Patent 7,512,822, 2009 - Google Patents

... 31, 2009 (54) SYSTEM AND METHOD FOR ACTIVITY OR **EVENT** BASED DYNAMIC ENERGY CONSERVING SERVER RECONFIGURATION (75 ... INDICATOR GENERATOR JL 416-1 CPU VOLTAGE GENERATOR/CONTROL UNIT 1 CPU CODE -**SUSPEND/RESUME** 406-1 T ...

Cited by 22 Related articles All 4 versions Import into BibTeX

SYSTEM, METHOD AND PROGRAM PRODUCT FOR MONITORING CHANGES TO DATA WITHIN A **CRITICAL** SECTION OF A THREADED PROGRAM

CL Bates, VJ Gettler - US Patent App. 12/143,101, 2008 - Google Patents

... 24, 2009 3 are **suspended** and released selectively by the break point manager 230. ... for instance, for resuming execution of a program when a break point has **halted** program execution. ... to a variable within the **critical** section that occur as a result of **threads** running outside of ...

Cited by 2 Related articles All 2 versions Import into BibTeX

[book] Real-time concepts for embedded systems

[PDF] from googlecode.com

Q Li, C Yao - 2003 - books.google.com

... 111 8.3 **Event** Registers 236 15.4 **Resource** Synchronization

Methods 238 15.5 **Critical** Section Revisited

Cited by 204 Related articles Library Search All 20 versions Import into BibTeX

Operating systems

E Lescouet, V Grouzdev - US Patent App. 10/573,918, 2004 - Google Patents

... [0064] In operation, the hardware **resource** dispatcher scheduler allows the **critical** operating system to operate until it has concluded its tasks, and then passes control back to each non **critical** operating system in turn, until the next interrupt or **event** occurs. ...

All 2 versions Import into BibTeX

[PDF] Optimistic parallel discrete **event** simulation on a beowulf cluster of multi-core machines

[PDF] from uc.edu

RJ Miller - 2010 - secs.ceas.uc.edu

... To support heterogeneous-core Beowulf clusters, a configurable solution that allows processing node-by-node **thread** definitions must be supported ... GVT estimation is **critical** to ... The downside of this approach is when using a shared **resource** like a Beowulf cluster, it is ...

Cited by 5 Related articles View as HTML Library Search All 5 versions Import into BibTeX

[book] MicroC/OS-II: the real-time kernel

JJ Labrosse - 2002 - books.google.com

... Chapter 2 Real-time Systems Concepts 35 2.00 Foreground/Background Systems 36 2.01 **Critical**
Sections of Code 37 2.02 **Resources** 37 2.03 Shared **Resources** 37 2.04 ... Exclusion 49 2.19
Deadlock (or Deadly Embrace) 57 2.20 Synchronization 57 2.21 **Event** Rags 59 2.22 ...
Cited by 637 Related articles Library Search All 12 versions Import into BibTeX

Architectural styles for runtime software adaptation

[PDF] from psu.edu

RN Taylor, N Medvidovic... - Software Architecture, 2009 ..., 2009 - ieeeexplore.ieee.org

... be dra- matically eased, for the meta-narrative overseeing a computation may simply **halt** a
computation ... is the most relevant for discussion of runtime adaptation: one common **thread** in SOA ...
No explicit support in pipe-and-filter; Weaves allows data buffering and **suspen**- sion of ...
Cited by 31 Related articles All 7 versions Import into BibTeX

Advanced Topics

CT Clocks, P Hierarchy - Springer

... This improved speed is because SC_CTHREAD implementation does not have to actually **resume**
and **suspend** at each intermediate wait(). ... If you want to stop an SC_CTHREAD, then call the **halt**()
method. ... A dangerous aspect of spawned **threads** relates to the return value. ...
Import into BibTeX

[PDF] Open Source Implementation of Hierarchical Scheduling for Integrated Modular Avionics

[PDF] from osadi.org

J Zamorano, A Juan, A Crespo - osadi.org

... Normal IO manage- ment read/write IO Normal Partition management mode change, **halt** / re-
set / **resume** / **suspend** / shutdown partitions (system) System ... System.BB. **Threads: Thread**
management, in- cluding synchronization and scheduling control functions. ...
Cited by 1 Related articles View as HTML Import into BibTeX

Compoiler-based pre-execution

[PDF] from umd.edu

D Kim - 2004 - drum.lib.umd.edu

... Because of the small communication and **thread** syn- chronization cost, it becomes possible to
exploit new types of **thread**-level parallelism at a much ... Secondly, some **critical** hardware **resources**
in single-chip multithreading processors are often shared or partitioned. Thus ...
Related articles All 6 versions Import into BibTeX

[PDF] Energy-Aware Computing for Android* Platforms

[PDF] from vt.edu

HC Chang, KW Cameron - scape.cs.vt.edu

... In this state, the system enables and resumes the hardware components **suspended** during early
suspend[9][10]. ... It also means the amount of memory will be freed after this process is **halted**. ...
allocated to memory and to see which classes and **threads** are creating objects. ...
View as HTML Import into BibTeX

Method of providing microcontroller cache memory

AO Alsop - US Patent App 11/259,755, 2005 - Google Patents

... This **suspension** function is referred to as context switching. ... A context is an operating environment
for a **thread** of software execution. ... [0055] The Context Ready Status Register has one of the
following states: [0056] **Halted**—context will not execute until software has moved it to ...
All 2 versions Import into BibTeX

Microcontroller cache memory

AO Alsop - US Patent App 11/259,741, 2005 - Google Patents

... applications require a micropro- cessor to execute several hundreds of task switches per second
and many concurrent **threads**. ... This **suspension** function is referred to as context switching ... 0012]
The context of a task denotes its state: all the information required to **resume** the task ...
All 2 versions Import into BibTeX

[PDF] Intraprocess Concurrency Under UNIX

[PDF] from hp.com

SB Marovich - 1990 - hpl.hp.com

... asynchronously and concurrently, but the default behavior presented to each **thread** should be synchronous'. A corou- tine simulation must therefore mediate and transform a **thread's** operating-system requests in order to **suspend** and **resume threads**, plus do ...

Cited by 2 Related articles View as HTML Library Search All 6 versions Import into BibTeX

[BOOK] Mach kernel interface manual

[PDF] from draga.com

RV Baron, A Tevanian, D Golub, R Rashid, W Bolosky... - 1988 - draga.com

... a paged virtual address space (potentially sparse) and protected access to system **resources** (such as ... to give exactly one message to the operating system without being **suspended** should the ... Specifies that msg_send should return if a software interrupt occurs in this **thread**. ...

Cited by 71 Related articles View as HTML Library Search All 103 versions Import into BibTeX

Methods and apparatus for profiling threaded programs

DR Armstrong, AD Nguyen, PM Petersen... - US Patent App. 10/..., 2003 - Google Patents

... **SUSPEND** * IF THE TARGET **THREAD** IS NOT ALREADY **SUSPENDED** - SET THE TIMESTAMP THAT THE **THREAD** IS **SUSPENDED** * ACTUALLY DO ... 18 1900^ **RESUME** * GET TIMESTAMP T BEFORE SIGNALING * GET THE TIME THAT THE TARGET **THREAD** WAS ...

Cited by 6 Related articles All 2 versions Import into BibTeX

[PDF] Configuration and Scheduling tools for TSP systems based on XtratuM

[PDF] from xtratum.org

L Ricoll, M Masmano, V Brocal, S Peiró... - Data Systems in ..., 2010 - xtratum.org

... XAL is only useful for those partitions that are mono-**thread** and do not need an operating systems. All services provided the XtratuM hy- percalls are available to the application. ... mode change, **halt** / reset / **resume** / **suspend** / shut- down partitions (system) System ...

View as HTML Import into BibTeX

Deterministic microcontroller with context manager

AD Alsop - US Patent 7,562,207, 2009 - Google Patents

... This **suspension** func- tion is referred to as context switching ... A context is an operating environment for a **thread** of software execution ... Context ready status transitions are caused by: interrupts; fatal faults (eg a nested bus fault will **halt** the faulting con- text); STOP, LPSTOP, RESET ...

Related articles All 4 versions Import into BibTeX

[PS] Java Threads

[PS] from emory.edu

DJ Berg - A white paper from Sun Microsystems, 1995 - mathcs.emory.edu

... Most programs are written in such a way that each **thread** needs something from the other **threads**, with the result that when the running **thread** needs that something (data, or a **resource**), it will voluntarily stop running and allow other **threads** to run until that something becomes ...

Cited by 3 Related articles View as HTML Import into BibTeX

[PDF] ENEE647 Design of Distributed Computer SystemsI Term Project Report Design and Implementation of Scheduler Activation in Nachos Operating System

[PDF] from psu.edu

Q Shi, C Li - 1999 - Citeseer

... No System except SC **Halt** has been implemented. ... A user who wants to write multi-**thread** application has to rst initialize the user-level **thread** system. ... Normally calling SC Exec gets the pid of the child, and by calling SC Join using this pid, parent process will **suspend** until chile ...

Related articles View as HTML All 3 versions Import into BibTeX

[PDF] An Empirical Study of Technologies to Implement Servers in Java

[PDF] from uci.edu

BC Demsky - 2001 - demsky.eecs.uci.edu

... calls, as doing so would cause all of the **threads** to **halt**. ... catch (IOException e) { System.err.println("IOException in Worker "+e); } } } Figure 2-3: **Thread** Pooled version of ... public mainContinuation(mainEnvironment env) { this.env=env; } public void **resume** (Object c 1) { S ocket c ...

Cited by 1 Related articles View as HTML Library Search All 5 versions Import into BibTeX

Deterministic microcontroller context arrangement

[AG Alsop - US Patent 7,516,311, 2009 - Google Patents](#)

... This **suspension** function is referred to as context switching ... A context is an operating environment for a **thread** of software execution ... Context ready status transitions are caused by: interrupts; fatal faults (eg a nested bus fault will **halt** the faulting context); STOP, LPSTOP, RESET ...

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[2nd USENIX Windows NT Symposium \[Technical Program\]](#)

[J Srouji, P Schuster, M Bach, Y Kuzmin - static.usenix.org](#)

... in the development of a facility for process migration, whereby processes can be **halted** on one ... **event** object and all the **threads** simultaneously **resume** from where they were **suspended** by the ... Finally, the checkpoint **thread** puts itself to sleep, and waits for further Dump APC calls ...

[Related articles](#) [All 2 versions](#) [Import into BibTeX](#)

[\[PDF\] Instrumenting Java Bytecode to Replay Execution Traces of Multithreaded Programs](#)

[\[PDF\] from tu-cottbus.de](#)

[MC Baur - 2003 - www.dssz.informatik.tu-cottbus.de](#)

... 51.9.5 **suspend/resume** ... Only in the case that t is the current **thread**, calling $t.wait$ is equivalent to this wait and t is **suspended** by itself. ... Their notation of a logical **thread** schedule interval is based on counting the relative number of **critical events** (shared variable accesses and ...

[Cited by 5](#) [Related articles](#) [View as HTML](#) [All 3 versions](#) [Import into BibTeX](#)

[Providing protected access to critical memory regions](#)

[U Savaeaonkar, P Rajagopal, R Sahita ... - US Patent App. 11/ ..., 2005 - Google Patents](#)

... to monitor and manage various system-wide functions such as managing system **resources** for more ... or monitors, executing proprietary code, or placing the whole system in a **suspended** state. ... of the processor, switch back to protected or real mode, and **resume** executing the ...

[All 2 versions](#) [Import into BibTeX](#)

[\[PDF\] Symbian OS Game Basics](#)

[\[PDF\] from 123seminarsonly.com](#)

[J Stichbury - Games on Symbian OS: A Handbook for Mobile ..., 2008 - 123seminarsonly.com](#)

... run, Symbian OS can enter a power-saving state where all **threads** are **suspended**, thus optimizing ... The requirement to regularly run the game **thread** prevents the OS from powering down all ... of time only, perhaps two minutes, and then display the pause menu and **halt** the game ...

[View as HTML](#) [All 18 versions](#) [Import into BibTeX](#)

[Very concurrent mark-&-sweep garbage collection without fine-grain synchronization](#)

[\[PDF\] from bell-labs.com](#)

[L Huelstbergen, P Winterbottom - ACM SIGPLAN Notices, 1988 - dl.acm.org](#)

... We remark that the degrees of freedom on the rates of marking and sweeping enable exploitation of a range of **resource** tradeoffs, but makes "optimal" tuning for ... barrier-sync {marker, sweeper}; **suspend-thread** mutator; while (stores # 8) { **resume-threads** {mutator, marker ...

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[\[PDF\] Error injection-based failure profile of the IEEE 1394 bus](#)

[\[PDF\] from illinois.edu](#)

[DJ Searegard - 2003 - crhc.illinois.edu](#)

... This means that a created process does not inherit **resources** from the process that created it. File handles are neither ... Page 18. ... One **thread** may **halt** and wait for a particular signal, continuing when another **thread** sends that ... Page 27. signal at a later point in time. ...

[Cited by 7](#) [Related articles](#) [View as HTML](#) [Library Search](#) [All 2 versions](#) [Import into BibTeX](#)

[Ravenscar: Java: a high integrity profile for real time Java](#)

[\[PDF\] from aiaa.org](#)

[J Kwon, A Wellings, S King - Concurrency and Computation: ..., 2005 - Wiley Online Library](#)

... the connected, limited device configuration (CLDC), has been defined for small, **resource**-constrained mobile ... ie the main() method and one RealtimeThread), all non-time-critical activities and ... This includes initialization of all real-time **threads**, memory objects, **event** handlers ...

[Cited by 114](#) [Related articles](#) [BL Direct](#) [All 37 versions](#) [Import into BibTeX](#)

[\[book\] Pthreads programming](#)

B Nichols, O Butler, JP Farrell - 1996 - books.google.com

... specific include tables, maintained by the operating system, to track system-supplied **resources** such as open files (each requiring a file descriptor), communication end points (sockets), locks, and signals Figure 1-2 shows the same C program as a process with a single **thread**. ...

Cited by 425 Related articles Library Search All 6 versions Import into BibTeX

[PDF] A virtual machine introspection based architecture for intrusion detection

[PDF] from isoc.org

T Garfinkel, M Rosenblum - Proc. Network and Distributed Systems Security ..., 2003 - isoc.org

... VMMs virtualize all hardware **resources**, allowing multiple virtual machines to transparently multiplex the **resources** of the physical machine[16]. ... This interface allows the VMI IDS to **suspend** a VM's execution, **resume** a suspended VM, checkpoint the VM, and reboot the VM. ...

Cited by 627 Related articles View as HTML All 59 versions Import into BibTeX

Toward mobile phone Linux

[PDF] from psu.edu

Y Nakamoto - ... Conference, 2004. Proceedings of the ASP- ..., 2004 - ieeeexplore.ieee.org

... So code and data blocks in applications and the kernel should be allocated to specified memory.

(2) Clock rate should be minimal at idle time (3) Kernel **threads** are **suspended** in power save mode. ... PIW2 p PrKI ~y-tem call begins (bottom half) (tap **halt**? ... 11. **Thread** guard pages ...

Cited by 6 Related articles All 8 versions Import into BibTeX

Tracing and replay of real-time concurrent programs in Vxworks

[PDF] from uta.edu

DK Patel - 2007 - dspace.uta.edu

... tems. A **thread**, when the term is used, may be thought of as a sub-sequence of connected ... executing. The **suspended** state is used to **halt** a task for debugging without loss of its context registers. Several system tasks exist concurrently with user defined tasks. These are the ...

Related articles All 5 versions Import into BibTeX

Configurable application specific standard product with configurable I/O

W Broome, PJ Short, T Wray - US Patent 7,660,967, 2010 - Google Patents

... to execute several hundreds of task switches per second and up to approximately 20 concurrent **threads**. ... This **suspension** function is referred to as context switching. ... By minimizing intervention, the microcontroller is not **halted** during the transfer of data via the UIC. ...

Related articles All 4 versions Import into BibTeX

[PDF] Columbia University Department of Computer Science

[PDF] from columbia.edu

K Ponamgi - academiccommons.columbia.edu

... **thread** shares memory and **resources** With all other **threads** executing in the same task. ... It should be noted that the **suspend** and **resume** mechanisms are based on reference counts (eg, a twice **suspended thread** must be resumed twice). ...

Related articles View as HTML Import into BibTeX

Multiple thread multiple data predictive coded parallel processing system and method

WB Clery III - US Patent 6,079,008, 2000 - Google Patents

... 20, 2000 [54] MULTIPLE **THREAD** MULTIPLE DATA PREDICTIVE CODED PARALLEL

PROCESSING SYSTEM AND METHOD [75] Inventor: William B. Clery, III, Rockville, Md. [73]

Assignee: Patton Electronics Co., Gaithersburg, Md. [21] Appl. No.: 09/054,392 [22] Filed: Apr. ...

Cited by 177 Related articles All 2 versions Import into BibTeX

Exploring the performance limits of simultaneous multithreading for memory intensive applications

[PDF] from ntua.gr

E Athanasiaki, N Anastopoulos, K Kourtis... - The Journal of ..., 2008 - Springer

... overhead (eg, flash-copy of live-in variables), or special hardware for lightweight synchronization and low overhead **suspension/resumption** of ... When a waiter **thread** (ie, anyone but the last) reaches the barrier, it enters the spin-wait loop, wherein it executes a **halt** instruction to ...

Cited by 7 Related articles BL Direct All 23 versions Import into BibTeX

Configurable input/output interface for an application specific product

T Wray, PJ Short, W Broome - US Patent 7,526,579, 2009 - Google Patents

... This **suspension** func- tion is referred to as context switching. ... 1 illustrates a deterministic microcontroller 1 com- troller is not **halted** during the transfer of data via the UIC. ... A context is an operating environment for a **thread** of software execution. ...

Related articles All 4 versions Import into BibTeX

Symbolic model checking on SystemC designs

ON Chou, YS Ho, C Hsieh... - ... Conference (DAC), 2012 ..., 2012 - ieeeexplore.ieee.org

... Note that the first three cases will **halt** the design at different time stamps ... we define the sus- pended status of a **thread** as: Definition 2: The **suspended** status of a **thread** is an ordered pair $ss = \langle loc, ttr \rangle$, where loc is the program location at which the **thread** is **suspended**, and ttr ...

Import into BibTeX

Orthogonal Persistence for the Java [tm] Platform: Specification and Rationale

[PDF] from sunlabs.com

M Jordan, M Atkinson - 2000 - dl.acm.org

... In the case of an abnormal termination, the effect is as if the Runtime.**halt** method had been ... that in the special case of an OPJ virtual machine exit with no active **threads**, the static ... Consequently, any side effects of a checkpoint listener are included in the **suspended** computation. ...

Cited by 10 Related articles Library Search All 13 versions Import into BibTeX

ORK+/XtraIM: an open partitioning platform for Ada

A Esquinas, J Zamorano, J de la Puente... - ... Ada-Europe 2011, 2011 - Springer

... IP Communication create ports read/receive/write/send messages normal IO management read/write IO normal Partition management mode change **halt**/reset/**resume**/**suspend**/shutdown partitions system ... Kernel Protection: **Thread** Management: BB.Protection: BB.Time: ...

Cited by 1 Related articles All 3 versions Import into BibTeX

[PDF] Security reference model for the java developer's kit 1.0.2

[PDF] from imamu.edu.sa

M Erdos, B Hartman, M Mueller - Sun Microsystems, November, 1996 - imamu.edu.sa

... Note that many 'sensitive' methods (eg '**suspend**') in class **Thread** are declared 'final'. They are provided by the JDK and are ... Applet calls the application to attempt to manipulate a **thread** group ... Applet calls the application to attempt to exec a new process or cause the JVM to **halt**. ...

Cited by 14 Related articles All 2 versions Import into BibTeX

[book] Killer game programming in java

A Davison - 2005 - books.google.com

... Subscribers can zero in on answers to time-**critical** questions in a matter of ... Java Sound API Compared with JMF and JOAL Java Sound API **Resources** Audio **Resources** on Java, so you understand about classes, objects, inheritance, exception handling, **threads**, and basic ...

Cited by 81 Related articles Library Search All 11 versions Import into BibTeX

[DOC] A Portable Real-time Operating System for Embedded Platforms

[DOC] from lyte.edu.tr

NO Okay, IS Aytag - 2004 - library.lyte.edu.tr

... a device driver that does not run in privileged mode is less likely to cause a system **halt** than an ... Not all processes or **threads** must be real-time ... the hardware; to create/ terminate tasks; and to control the scheduling mechanism by using the reschedule, sleep, **suspend** and **resume** ...

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■ Create alert

Did you mean to search for: thread and (halt or **suspend**) and **resume** and resource and critical and event

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